

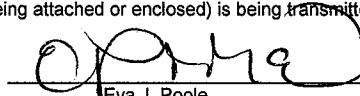
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Scott E. Miller, *et al.*  
Serial No.: 10/664,046  
Confirmation No.: 2591  
Filed: September 16, 2003  
For: DETERMINATION AND/OR CONTROL OF REACTOR  
ENVIRONMENTAL CONDITIONS  
Examiner: N. A. Bowers  
Art Unit: 1797

**Certificate of Electronic Filing Under 37 CFR 1.8**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with § 1.6(a)(4).

Dated: August 19, 2008

  
Eva J. Poole

**RESPONSE**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

In response to the Office Action dated February 19, 2008, please amend the above-identified U.S. patent application as follows:

**The Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks** begin on page 8 of this paper.